



Water-Data Report CA-2005

11239300 NORTH FORK STEVENSON CREEK AT PERIMETER ROAD, NEAR BIG CREEK, CA

San Joaquin River Basin

LOCATION.--Lat 37°08'13", long 119°15'13" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.21, T.9 S., R.25 E., Fresno County, Hydrologic Unit 18040006, in Sierra National Forest, on right bank, 100 ft upstream from Perimeter Road, and 4.8 mi south of town of Big Creek.

DRAINAGE AREA.--4.42 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1989 to current year.

GAGE.--Water-stage recorder, modified Parshall flume, and concrete control. Elevation of gage is 5,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Releases for fishery maintenance from Balsam Meadows Forebay on Balsam Creek enter creek upstream from station. See schematic diagram of lower San Joaquin River Basin.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 67.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,220 ft³/s, May 16, 1996, gage height, 9.58 ft; minimum daily, 1.6 ft³/s, Feb. 14, 1991.

11239300 NORTH FORK STEVENSON CREEK AT PERIMETER ROAD, NEAR BIG CREEK, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.3	5.6	5.2	e8.0	9.1	11	22	28	48	9.3	8.9	7.9
2	4.5	5.6	5.3	6.1	8.6	11	23	29	46	8.7	8.9	7.9
3	4.6	5.7	e5.6	5.6	8.5	11	23	32	42	8.2	8.8	8.0
4	4.4	5.5	5.7	e6.0	9.2	11	22	33	41	7.7	8.7	7.6
5	4.4	5.6	5.7	5.2	8.9	11	23	181	38	7.3	8.6	7.8
6	4.4	5.4	5.7	5.3	8.5	11	26	241	34	7.0	7.7	7.8
7	4.3	5.4	e5.6	5.3	8.6	12	27	39	31	6.7	5.9	7.2
8	4.5	6.1	5.3	e15	8.8	13	24	38	28	6.4	6.0	6.9
9	4.3	5.7	5.3	e37	8.4	15	23	76	27	6.1	5.9	7.0
10	4.2	5.7	5.8	e47	8.5	16	22	48	27	5.8	5.7	6.0
11	4.2	5.9	5.2	18	8.9	17	22	41	26	5.5	5.7	6.0
12	4.4	5.7	5.5	e11	12	19	21	39	26	5.1	6.1	6.2
13	4.5	5.4	5.7	9.6	11	21	22	45	26	4.8	5.3	6.4
14	4.2	5.5	5.3	8.0	10	20	21	51	25	5.1	5.6	6.0
15	4.7	5.3	5.1	7.8	12	25	22	57	24	7.8	6.2	6.2
16	4.2	5.5	5.4	7.7	16	35	26	116	200	7.6	6.1	6.6
17	6.2	5.2	5.3	7.8	14	33	28	72	21	7.4	5.5	5.8
18	5.6	5.5	5.1	8.4	14	31	30	63	19	7.2	5.8	6.0
19	10	5.2	5.2	9.1	13	33	29	70	17	7.1	5.3	6.2
20	12	5.7	5.3	9.0	12	31	26	72	17	6.8	5.5	6.1
21	6.0	5.6	5.2	9.0	14	30	26	69	16	6.6	5.3	6.7
22	5.5	5.7	5.2	8.7	14	48	27	71	16	6.6	5.2	6.2
23	5.6	5.1	e5.1	8.7	12	43	27	71	15	6.3	5.5	6.6
24	5.9	5.1	4.9	9.1	12	36	27	69	14	6.3	5.5	5.8
25	6.2	5.1	4.9	10	11	32	26	71	13	6.1	5.2	6.0
26	6.3	5.0	5.1	16	11	32	94	71	12	6.1	5.7	6.1
27	5.8	5.6	5.7	12	11	35	217	70	12	5.7	5.5	6.8
28	5.6	5.6	5.7	11	11	35	362	76	11	5.6	5.0	6.1
29	5.5	e5.6	5.5	9.6	---	26	77	56	11	5.5	6.0	6.3
30	5.9	5.2	e10	9.1	---	20	27	50	9.8	5.5	7.9	6.0
31	5.7	---	e6.7	9.1	---	21	---	48	---	9.1	7.9	---
Total	167.9	164.8	172.3	349.2	306.0	745	1,392	2,093	892.8	207.0	196.9	198.2
Mean	5.42	5.49	5.56	11.3	10.9	24.0	46.4	67.5	29.8	6.68	6.35	6.61
Max	12	6.1	10	47	16	48	362	241	200	9.3	8.9	8.0
Min	4.2	5.0	4.9	5.2	8.4	11	21	28	9.8	4.8	5.0	5.8
Ac-ft	333	327	342	693	607	1,480	2,760	4,150	1,770	411	391	393

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.52	7.04	6.68	11.1	10.4	16.5	36.5	31.0	22.9	8.35	5.97	5.75
Max	14.7	22.1	14.1	71.8	52.2	40.7	125	108	178	36.2	11.3	11.5
(WY)	(2001)	(1998)	(1992)	(1997)	(1996)	(1995)	(2004)	(1996)	(1995)	(1995)	(1996)	(2000)
Min	3.65	3.80	4.29	4.59	3.89	5.05	8.99	5.80	4.66	4.00	4.08	4.14
(WY)	(1991)	(1993)	(1993)	(1992)	(1991)	(2002)	(1994)	(1990)	(1989)	(1989)	(1989)	(1991)

11239300 NORTH FORK STEVENSON CREEK AT PERIMETER ROAD, NEAR BIG CREEK, CA—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005		Water Years 1989 - 2005	
Annual total	6,502.9		6,885.1		
Annual mean	17.8		18.9		14.4
Highest annual mean				34.7	1995
Lowest annual mean				5.57	1990
Highest daily mean	169	Apr 29	362	Apr 28	1,750 May 16, 1996
Lowest daily mean	4.0	Aug 10	4.2	Oct 10	1.6 Feb 14, 1991
Annual seven-day minimum	4.0	Aug 10	4.3	Oct 5	2.0 Feb 14, 1991
Maximum peak flow			794	Apr 28	3,220 May 16, 1996
Maximum peak stage			6.39	Apr 28	9.58 May 16, 1996
Annual runoff (ac-ft)	12,900		13,660		10,430
10 percent exceeds	68		40		27
50 percent exceeds	5.5		8.0		6.3
90 percent exceeds	4.5		5.2		4.3

